roller **475** when different operation screens are displayed on the left and right sides of the flexible display **475**, the operation screen displayed on the unrolled side of the flexible display **475** may be displayed on the entire flexible display **473**.

[0115] One of the left and right sides of the flexible display **475** may be used as a main display and may thus display a main operation screen, and the other side of the flexible display **475** may be used as a sub-display and may thus display, for example, a popup screen.

[0116] FIG. **31** illustrates a scroll-type mobile terminal, which is another type of rolling mobile terminal. Referring to FIG. **31**, the scroll-type mobile terminal may include a body **501**, which is formed as a cylinder or a prism, and a flexible display **503** which is rolled into a scroll on the body **501**. The outer surface of the scroll of the flexible display **503** may be used as a display until the flexible display **503** is unrolled. The display region of the scroll-type mobile terminal may be expanded by unrolling the flexible display **503**.

[0117] The flexible display **503** may be divided into a plurality of regions. Then, different pieces of information may be displayed in the respective regions in order of importance, or different operation screens may be displayed in the respective regions.

[0118] Alternatively, the flexible display **503** may be divided into a plurality of regions, and main objects and sub-objects may be displayed in the regions according to the degree to which the flexible display **503** is unrolled. Thereafter, if the flexible display **503** is rolled up again, the operation screen displayed before the unrolling of the flexible display **503** may be displayed again on the flexible display **503**.

[0119] FIGS. **32** and **33** illustrate a double-scroll-type mobile terminal. Referring to FIG. **32**, the double-scroll-type mobile terminal may include first and second bodies **511** and **513**, which are formed as cylinders or prisms, and a flexible display **515** which connects the first and second bodies **511** and **513** and can be rolled up on or unrolled from the first and second bodies **511** and **513**. The amount by which the flexible display **515** is rolled on the first body **511** may be the same as or different from the amount by which the flexible display **515** is rolled on the second body **513**.

[0120] Referring to FIG. **33**, if the flexible display **515** is unrolled when a screen is displayed on part of the flexible display **515**, the screen may be scaled up accordingly. If the amount by which the flexible display **515** is rolled on the first body **511** is greater than the amount by which the flexible display **515** is rolled on the second body **513**, a left part of the flexible display **515** may be used as an extension of a main screen, and a right part of the flexible display may be used as an extension of a sub-screen.

[0121] The flexible display **515** may be divided into a plurality of regions. Then, different pieces of information may be displayed in the respective regions in order of importance, or different operation screens may be automatically displayed in the respective regions.

[0122] The double-scroll-type mobile terminal may be switched from one operating mode to another operating mode according to whether the left or right side of the flexible display **515** is unrolled. For example, if the left side of the flexible display **515** is unrolled, the double-scroll-type mobile terminal may be placed in an ordinary-call mode. On the other hand, if the right side of the flexible display **515** is unrolled, the double-scroll-type mobile terminal may be placed in a multimedia mode.

[0123] FIGS. **34**, **35**(*a*) and **35**(*b*) illustrate a hybrid mobile terminal. Referring to FIG. **34**, the hybrid mobile terminal, which is a combination of a folding mobile terminal and a rolling mobile terminal, may include a body **531** and a flexible display **533** which can be folded over the body **531** and can be rolled up on a roller **535**, and may thus be able to address the problems of a mobile terminal having a flexible display into the body thereof.

[0124] Referring to FIGS. **35**(*a*) and **35**(*b*), the flexible display **533** can be folded over the body **531** or can be rolled up on or unrolled from the roller **535**. The flexible display **533** may be completely rolled up on the roller **535** and may thus be hidden. When the flexible display **533** is incompletely rolled, the flexible display **533** can be folded over the body **531** and may thus be exposed. The display region of the hybrid mobile terminal may be expanded by unrolling the flexible display **533**. In this manner, the hybrid mobile terminal can offer the benefits of both a folding mobile terminal and a rolling mobile terminal.

[0125] FIGS. **36** through **41** illustrate diagrams for explaining how to correct a set of touch parameters according to the degree to which a flexible display is bent or folded. Referring to FIGS. **36** and **37**, a flexible display **610** may be attached to the rear of a touch screen **600**, thereby realizing a flexible display module capable of processing a touch input. In this case, the flexible display module may be able to determine the coordinates of a touched point **615** on the touch screen **600** and the coordinates of each point **620** neighboring the touched point **615** based on variations in the pressure at and near the touched point **615**.

[0126] When the flexible display module is bent or folded, the touch sensitivity of the flexible display module and the coordinates of the touched point **615** may change. Thus, there is need to compensate for such changes, i.e., correct a set of touch parameters including the location of the touched point **615** and the pressure at or near the touched point **615**.

[0127] For example, FIGS. **39**(*a*) and **39**(*b*), if the flexible display module is bent horizontally so that a central part of the flexible display module can be recessed, the touch sensitivity at or near the upper and lower ends of the flexible display module may increase, whereas the touch sensitivity at or near the left and right ends of the flexible display module almost does not change. In this case, it is necessary to correct the touch parameters and thus to reduce the touch sensitivity at or near the left and right ends of the flexible display module.

[0128] Referring to FIGS. **40**(*a*) and **40**(*b*), if the flexible display module is deformed such that a central part of the flexible display module can protrude, the touch sensitivity at the central part of the flexible display module may decrease. In this case, it is necessary to correct the touch parameters and thus to increase the touch sensitivity at the center of the flexible display module.

[0129] Referring to FIGS. **41**(*a*) and **41**(*b*), if the flexible display module is deformed such that the central part of the flexible display module can be recessed, the touch sensitivity at the central part of the flexible display module may increase. In this case, it is necessary to correct the touch parameters and thus to reduce the touch sensitivity at the center of the flexible display module.

[0130] In short, it is necessary to adjust the touch sensitivity of the flexible display module according to whether the flex-